кургоуец на use upough 1/3/1/2000. Ото 0031-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE tinder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	Complete if Known			
	Application Number	10/551,728		
INFORMATION DISCLOSURE	Filing Date	October 3, 2005		
STATEMENT BY APPLICANT	First Named Inventor	Saha et al.		
(Use as many sheets as necessary)	Art Unit	Not Assigned		
(OSS as many successory)	Examiner Name	Not Assigned		
Sheet 1 of 3	Attorney Docket Number	61804A		

Examiner	Cite	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
Initials*	NO. ¹	Number-Kind Code ² (# known)			,,,
OPP	7	US-6764742B2	07/20/04	Ichikawa et al.	
PP	30	US-5145806	09/08/92	Shirakawa et al.	
JAN 8 6	2006	US4910172	03/20/90	Talmy et al.	
P.F	Thurs.	S4911902	03/27/90	Talmy et al.	
N. P.F		US4948766	08/14/90	Talmy et al.	
MADE		US5098455	03/24/92	Doty et al.	
P.P	/	US5194154	03/16/93	Moyer et al.	
PP	-74	U\$5198007	03/30/93	Moyer et al.	
D.P	<u>,</u> \	US5173349	12/22/92	Yavuz et al.	
10.10	V	US5252272	10/12/93	Yavuz et al.	
$\rho.\rho$		US-5145806	09/08/92	Shirakawa et al.	
77		US-5,294,578	03/15/94	Mizushima et al.	
P.P		us- 4293 367			
ρρ		US- 4304 585			
P.P		US- 4559 193			
PP		US- ULANDEO	,		
P.P		US- 4629042	4947,766		
PP		US- 4993 465	Harri		

Examiner Signature Date Considered 5/1/3007

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw the through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optionar). ²See Kinds Codes of USPTO Patent Documents at www.scie.gov/ or MPEP 901.04. ³Enter Office than issued the focument, by the two-letter code (WIPO Standard ST.3). ⁴Form stapanesse patent documents, the indication of the speer of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind at document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English tenguage Translation is attached. This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiathy is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the numeral of time you require to complete this form entitle suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

5504051

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO 10/551,728 **Application Number** INFORMATION DISCLOSURE October 3, 2005 Filing Date STATEMENT BY APPLICANT First Names Inventor Saha et al. Not Assigned Art Unit (Use as many sheets as necessary) Not Assigned **Examiner Name** Attorney Docket Number 61804A of 3 Sheet 2

Examiner Initials*	Cite No. ¹	Document Number Country Code ³ – Number-Kind Code ⁵ (it known)	Publication Date (MM-DD- YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
P.P.		WO 03/082773	10/09/03	Saha et al.	·	<u> </u>
5\PPE	4	JP 04193782	07/13/92	Mikio		IE
	40					╀
JAN-26	2006					╬
		<u> </u>				╁
PRADEN			-			╁┞
						1
						╁
						╁┾
						╁┾
			-			╁
						1
				•		\top
						Ţ
						11
						╀
			 			╁
			<u> </u>	<u> </u>		<u> </u>

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Form Japanese patent document in indication of the year of the reign of the Emperor must precede the sental number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-785-9199) and select option 2

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/551,728 INFORMATION DISCLOSURE STATEMENT October 3, 2005 Filing Date BY APPLICANT First Named Inventor Saha et al. (Use as many sheets as necessary) Art Unit Not Assigned Examiner Name Not Assigned 61804A 3 Attorney Docket Number 61804A

on neo	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
N 26 2	\$847	THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; 200, HYUNHO SHIN ET AL: "Mullitization from a multicomponent oxide system in the temperature range 1200 'deg.I-1500 'deg.IC	1
	The state of the s		I
DEMARK			
			ľ
			Ī
			T
			1
		·	
			T

Examiner. Initial if reference considered, whether or not citation is in conformation with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

¹Applicant's unique citation designation number (option). ²Applicant is to place a check mark here in English language Translation is attached.

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

Complete if Known

10/551,728

October 3, 2005

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE FEB 0 5 2007 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE vork Reduction Act of 995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Under the Papery

Substitute for form 1449/

INFORMATION DISCLOSURE

Filing Date Saha et al. First Named Inventor STATEMENT BY APPLICANT 1755 Art Unit (Use as many sheets as necessary) Not Assigned **Examiner Name** Attorney Docket Number 61804A19 Sheet 1 of 3

Application Number

Examiner Initials*	Cite No.1	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	140.	Number-Kind Code ² (# known)			
P.P		US-4,293,357	10/1981	Higuchi et al	
P.P.		US-4304,585	12/1981	Oda et al.	
P.P		US-4,559,193	12/1985	Ogawa et al.	
P.P		US-4,608,357	08/26/86	Silverman et al.	
PP		US-4,628,042	12/09/86	Speronello	
P.P		US-4,893,465	01/16/90	Farrauto ete al.	
PP		US-5,340,516	08/23/94	Yavuz et al.	
PP		US-5,437,933	08/01/95	Coupland et al.	
PP		US-5,504,051	04/02/96	Nakamura	
P.P.		US-6,306,335	10/23/01	Wallin et al.	
		US-			
		US-			
	 	US-			
	· -	US-			
		US-			
		US-			
		US-			·
	†	US-	İ		
		US-			

Signature		Considered	3/1/000	J
*Examiner: Initia	If reference considered, whether or not citation is in conformance with MPEP609. Draw line through cita	tion if not in conforman	ice and not considered. Include copy of this form with next	
communication to	o applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Par	ent Documents at www	vuspto.gov or MPEP 901.04. SEnter Office that issued the documer	nt.
by the two-letter	code (WIPO Standard ST.3). ⁴ Form Japanese patent documents, the indication of the year of the reign of	f the Emperor must pre	scede the serial number of the patent document. Skind of document	by

the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patenta, P. O. Box 1450, Alexandria, VA

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

PTO/SB/08A (08-03)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known		
		Application Number	10/551,728	
INFORMATION DISCLOSURE		Filing Date	October 3, 2005	
	STATEMENT BY APPLICANT	First Names Inventor	Saha et al.	
	(Use as many sheets as necessary)	Art Unit	1755	
	(Use as many sheets as necessary)	Examiner Name	Not Assigned	
Sheet	2 of 3	Attorney Docket Number	61804A19	

xaminer Initials*	Cite No. ¹	Document Number Country Code ³ - Number-Kind Code ⁵ (it known)	Publication Date (MM-DD- YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ6
1.8		JP 63103877		Abstract		
P.P		JP 0478447	3/12/1992			
P.P		JP 05317727	12/3/1993			T
P.P		JP 59039 782	03/05/1984			T
ρρ		DE 3437641 A1	04/17/1985			
						#
					,	┼╞
						忙
						4
						┼
			1			十
						
						1-
			 			╬
						十
	<u> </u>		 			T

xaminer. Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next
mmunication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patem Documents at www.usoto.gov or MPEP 901.04. Senter Office that issued the document,
the two-letter code (WIPO Standard ST.3). ⁴ Form Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by
e appropriate symbols as Indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.
is collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is
werned by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary
pending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and
ademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA
313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/551,728 INFORMATION DISCLOSURE October 3, 2005 Filing Date STATEMENT BY APPLICANT First Named Inventor Saha et al. Art Unit 1755 (Use as many sheets as necessary) Not Assigned **Examiner Name** Attorney Docket Number 61804A19 Sheet 3

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т ⁶
r.f		JAE-EAN LEE et al. <u>Ceramics International</u> , "Effects of precursor pH and sintering temperature on synthesizing and morphology of sol-ge! processed mullite"	
P.P		J. R. MOYER et al., <u>J. Am. Ceram. Soc</u> ., 77(4)1083-86 (1994) "A Catalytic Process for Mullite Whiskers", pgs. 1083-1085	
p.P.		J. R. MOYER <u>, J. Am. Ceram. Soc</u> ., 78(12)3253-58(1995) "Phase Diagram for Mullite-SiF₄", pgs. 3253-3258	
p.P		J. R. MOYEr et al., <u>J. Am. Ceram. Soc.</u> , 771 (4), (1994) "Stolchlometry of Fluorotopaz and of Mullite Made from Fluorotopaz" pgs. 1087-1089	
P.P		HEON-JIN CHOi et al., <u>J. Am. Ceram. Soc</u> ., 85(2) 481-83 (2002) "Synthesis of Mullite Whiskers", pgs. 481-483	
· · · · · · · · · · · · · · · · · · ·			
Examiner		Date 5/1/2007	

Signature Examiner: Initial if reference considered, whether or not citation is in conformation with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

Considered

Applicant's unique citation designation number (option). Applicant is to place a check mark here in English language Translation is attached.